

Existing Inventory

The Utilities Division of the Public Works Department currently serves an estimated 24,890 residential and non-residential wastewater customers. Average daily treatment in thousands of gallons for the calendar year 2012 was 4,689. Annual wastewater treatment for 2012 was over 1.7 billion gallons.

The Utilities Division operates and maintains:

- 5 Wastewater Treatment Plants (WWTPs)
- 26 Lift Stations
- 368 Miles of Wastewater line

Current Capacity and Condition of Assets and Infrastructure

Wastewater Treatment Plants:

The wastewater system inventory includes 5 treatment plants of varying age, condition, and treatment capacities. The largest plant is WWTP#2 capable of treating 5.5 million gallons per day while the smallest is WWTP#3 capable of treating 0.8 million gallons per day. Taken together the total capacity of all treatment plants is approximately 8.6 million gallons per day. The current actual average daily gallons treated are approximately 4.7 million gallons per day. The city discharges into the Rio Grande at two locations under an Office of State Engineer (OSE) water permit and two National Pollution Discharge Elimination System (NPDES) permits. WWTP#6 is currently being expanded to 1.2 million gallons per day and the ICIP contains plans to eventually retrofit all plants to Membrane Bio Reactor (MBR) facilities.

Reuse and Aquifer Recharge:

The WWTP#6 Phase 1 Expansion and the Aquifer Recharge Demonstration projects include construction of an effluent storage tank, pumping capacity, reuse lines, and water treatment and direct injection wells in support of the City's water reuse and aquifer recharge initiative. The series of subprojects began in 2006 and continues with construction of an advanced water treatment facility and related infrastructure near the Loma Colorado subdivision. The initiative will result in widespread

delivery of reuse water to strategic locations for irrigation, industrial uses, and aquifer replenishment.

Lift Stations and Sewer lines:

The city operates 26 lift stations responsible for moving wastewater to treatment plants within the force main sewer line system. The wastewater system also includes 368 miles of gravity sewer line. The ICIP contains various projects for lift station replacement, relocation, and/or capital repair.

Repair and Maintenance Programs/Activities

WWTP 2 has undergone a significant rebuild of the aeration basins to ensure continued compliance with the New Mexico Environmental Department (NMED) and Environmental Protection Agency (EPA) regulations. Lift station 10 replacement near the intersection of Southern Blvd. and New Mexico Highway 528 is currently under design and is expected to be out to bid in early 2014 with construction anticipated to be complete by December 2014. The new Lift Station 10b will divert wastewater from Southern Boulevard to Wastewater Treatment Plant 1 on Sara Road or Wastewater Treatment Plant 2 located on Industrial Park Loop.

Indicators

Indicator	Calendar Year				
	2008	2009	2010	2011	2012
Average Daily Sewage Treated (1,000 of gallons)	5,028	4,889	4,489	4,546	4,689

Wastewater Utility Infrastructure and Capital Improvement Plan Development

The Utilities Division updates its capital improvement plan concurrent with the annual budget process by which current year capital appropriations are requested pursuant to established departmental priorities for maintaining, expanding, and/or improving wastewater infrastructure and assets. Various departmental plans guide development of the ICIP, including those detailed below. Additionally, asset replacement needs, such as equipment and renovations are also included in the Department's overall ICIP.

Wastewater Master Plan

The city is currently developing a wastewater master plan to understand the capacity needs for the build out of the city and to evaluate needed improvements to the existing system. Findings and recommendations of this study are being finalized in 2013.

Asset Management Plan:

The purpose of the Asset Management Plan is to document the current state of system assets, and plans for their repair and/or replacement in order to minimize life cycle costs and provide for an acceptable level of service. The Utilities Division is currently finalizing a 4 year project detailing the status and asset management plans of water and wastewater system equipment. The asset management program will provide an evaluation and decision making mechanism for repair and replacement of assets that considers the risk of asset failure, the cost effectiveness of operations, and the condition and age of assets.

Developer Contributions

The City's Impact Fee Plan and Ordinance, adopted in 2005 establishes a standard level of service stated

as average and peak day demand for a single family equivalent (SFE) connector service unit. SFE is a standard measure of use attributable to an individual unit of development and is defined as having the average water use characteristics of a customer with a 5/8" water meter. Customers with a 5/8" water meter constitute approximately eighty eight percent (88%) of all accounts.

Standard Level of Service-Wastewater Utility

<u>Average Day Demand</u>	
Average Daily Flow	175 gallons per day (gpd)
<u>Peak Day Demand</u>	
Peak Hourly Flow	525 gpd

Developers are assessed impact fees or provide physical improvements in lieu of impact fees valued at \$2,298 for a 5/8" meter; \$3,447 for a 3/4" meter; \$5,745 for a 1" meter; \$11,490 for a 1 1/2" meter; and \$18,384 for a 2" meter. There are a significant number of wastewater impact fee credits outstanding and the city currently collects impact fee revenue on approximately ten percent (10%) of assessments generated by annual development activity.

Developer Improvements and Dedications since Fiscal Year 2010 include:

- Northern Meadows (Unit 19): 1.23 miles of sewer line
- High Range III: 1.15 miles of sewer line
- Paseo Vulcan Crossing: 0.15 miles of sewer line
- Diamond Ridge: 1.54 miles of sewer line
- Cabezon Tract 1A: 0.34 miles of sewer line
- Cabezon Commons Tract 11: 0.22 miles of sewer line
- Loma Colorado Realignment: 0.26 miles of sewer
- Joiner Plaza: 0.26 miles of sewer line and 1 lift station

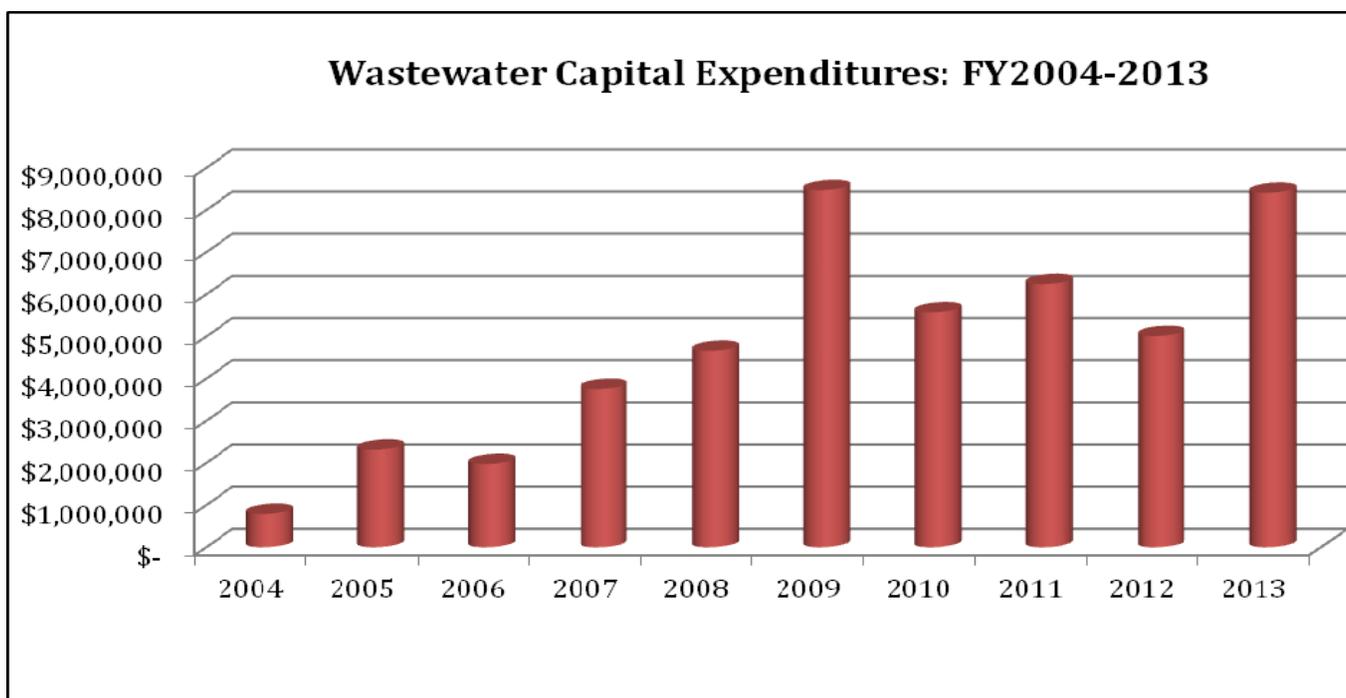
- Cielo Norte I and II: 1.16 miles of sewer line
- Plaza @ Enchanted Hills: 0.25 miles of sewer line
- Loma Colorado 9B: 0.26 miles of sewer line
- Loma Colorado Prado I & II: 0.27 miles of sewer line

Funding Sources

Wastewater Utility capital projects are funded through various sources, including:

- Utility Bond and Loan Proceeds
- Wastewater Impact Fees
- Utility Net Revenues
- State and County Grants
- Environmental Gross Receipts Tax Revenue

Capital spending for wastewater utility infrastructure topped \$8.5 million in Fiscal Year 2009, and that level of capital investment was nearly matched in 2013 due to the ongoing expansion of Wastewater Treatment Plant #6 to a 1.2 million gallon per day facility. In recent years, an otherwise waning investment in wastewater capital assets has been propped up by the \$25 million New Mexico Environment Department (NMED) loan for this expansion project. The wastewater capital program has been historically, and continues to be heavily supported by debt financing pledging the net revenues of the system. Aside from the NMED Loan, the city has not issued debt to support the Joint Utility capital program since 2009 due to revenue capacity constraints. Effective February 1, 2013, water rates increased by eight and eight tenths percent (8.8%) annually to provide sufficient funds for rising operating and maintenance costs, and to support non-growth related capital projects. On May 22, 2013 the Governing Body amended the increase for Fiscal Year 2014 to seven and eight tenths percent (7.8%) effective July 1, 2013 (O16, Enactment 13-13). The Utility enterprise anticipates issuing new bonds in calendar year 2014.





2014-2019 Infrastructure and Capital Improvement Plan
Utilities-Wastewater

FY2014-FY2019: ICIP Summary

Rank Priority	Fund/Project No.	Project Title	Project to Date	2014 Budget	2014 Additional Spending Anticipated	2014 Total	2015	2016	2017	2018	2019	Funding Requested: FY14-FY19	Funding Source	Funding Source	Funding Source	Funding Source	Total Funding: FY14-FY19
													(A)	(B)	(C)	(D)	(A) + (B) + (C) + (D)
1	WW0673; WW0928; WW1389	WWTP#6 Expansion, Effluent Tank and Pump Station and Reuse Line to WWTP#2-Phase I	\$ 9,732,102	\$ 71,859	\$ 16,436,823	\$ 16,508,682	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,508,682	Impact Fees-Wastewater	Utility Funds Operating Revenues	Utility Loan Proceeds		\$ 16,508,682
													\$ 16,360	\$ 734,456	\$ 15,757,857		\$ 16,508,682
2	WW1251	Significant Rebuild and Repair WWTP 2A and 3	\$ 464,219	\$ 583,000	\$ 320,780	\$ 903,780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 903,780	Utility Funds Operating Revenues				\$ 903,780
													\$ 903,780				\$ 903,780
3	N/A	Retrofit WWTP#1 into 1.5MGD MBR Facility	\$ -	\$ -	\$ 1,324,000	\$ 1,324,000	\$ 10,234,122	\$ -	\$ -	\$ -	\$ -	\$ 11,558,122	Utility Bond and Loan Proceeds				\$ 11,558,122
													\$ 11,558,122				\$ 11,558,122
4	WW1147	Splitter Box and Lift Station 10 Relocation and Land	\$ -	\$ -	\$ 509,836	\$ 509,836	\$ 2,548,100	\$ -	\$ -	\$ -	\$ -	\$ 3,057,936	Impact Fees-Wastewater	Utility Funds Operating Revenues	Utility Bond and Loan Proceeds		\$ 3,057,936
													\$ 450,589	\$ 59,247	\$ 2,548,100		\$ 3,057,936
5	WW1183	Montoya's Arroyo Sewer Upgrade-Phase 3	\$ 264,629	\$ -	\$ 1,853,869	\$ 1,853,869	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,853,869	Environmental GRT Revenues	Impact Fees-Wastewater	Utility Funds Operating Revenues		\$ 1,853,869
													\$ 660,553	\$ 787,891	\$ 405,425		\$ 1,853,869
6	WW1349	SCADA Improvements	\$ 4,352	\$ 11,304	\$ 114,818	\$ 126,122	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 626,122	Utility Funds Operating Revenues				\$ 626,122
													\$ 626,122				\$ 626,122
7	WW0887	Septic Dump Station	\$ 84,700	\$ -	\$ 3,138,621	\$ 3,138,621	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,138,621	Impact Fees-Wastewater	Utility Bond and Loan Proceeds			\$ 3,138,621
													\$ 145,300	\$ 2,993,321			\$ 3,138,621
8	WA0770	Aquifer Storage Demo/Direct Injection	\$ 8,856,110	\$ -	\$ 468,010	\$ 468,010	\$ 75,000	\$ 75,000	\$ 75,000	\$ 1,500,000	\$ 1,500,000	\$ 3,693,009	State Grants	Impact Fees-Wastewater	Utility Bond and Loan Proceeds	To Be Determined	\$ 3,693,009
													\$ 191,601	\$ 189,816	\$ 116,039	\$ 3,195,554	\$ 3,693,009
9	WW1039	Lift Station No. 4 Odor Control	\$ 29,445	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 350,000	\$ 400,000	Environmental GRT Revenues	Utility Funds Operating Revenues	To Be Determined		\$ 400,000
													\$ 65,456	\$ 54,802	\$ 249,742		\$ 400,000
10	WW1432	Replace Membrane Filters at WWTPs	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 160,000	\$ 160,000	\$ 820,000	Utility Funds Operating Revenues				\$ 820,000
													\$ 820,000				\$ 820,000

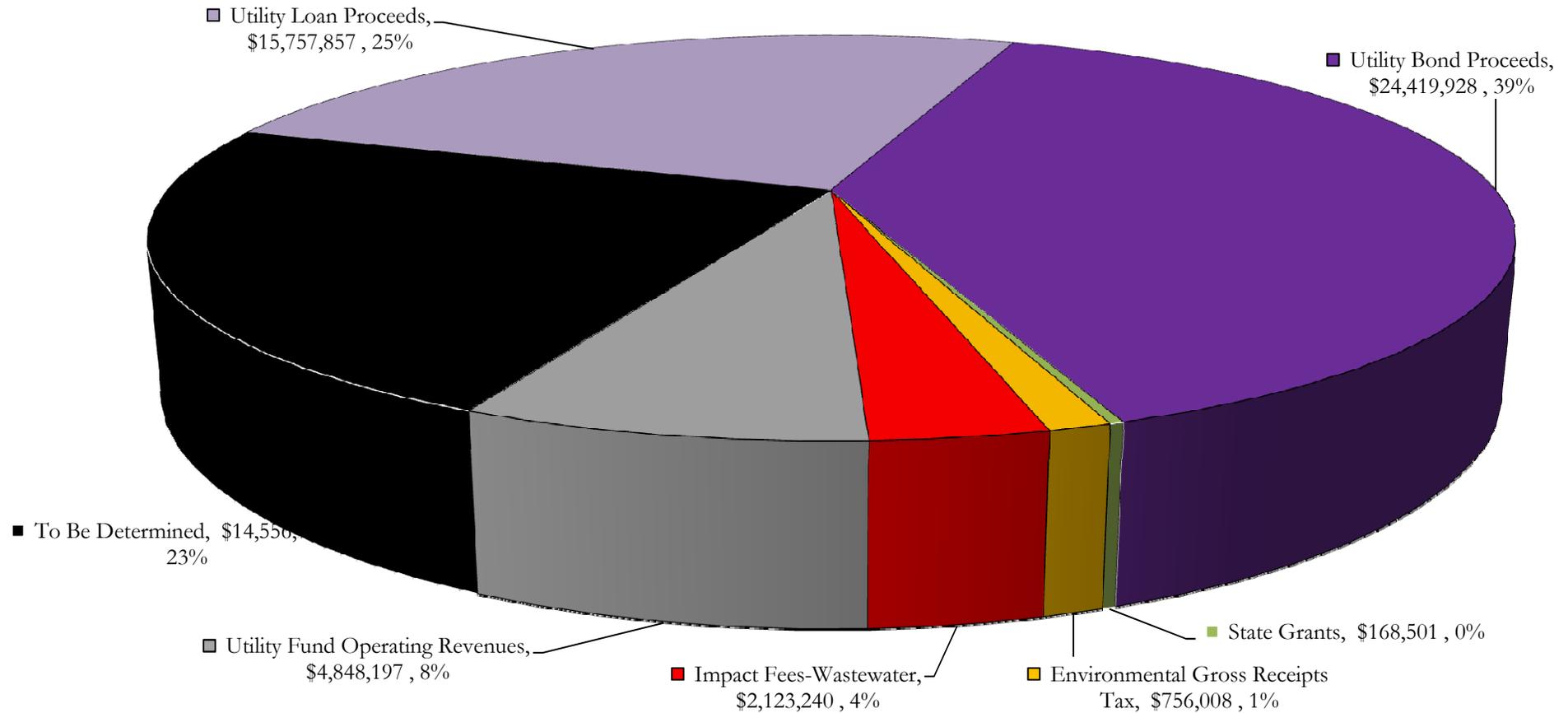


2014-2019 Infrastructure and Capital Improvement Plan
Utilities-Wastewater

FY2014-FY2019: ICIP Summary

Rank Priority	Fund/Project No.	Project Title	Project to Date	2014 Budget	2014 Additional Spending Anticipated	2014 Total	2015	2016	2017	2018	2019	Funding Requested: FY14-FY19	Funding Source	Funding Source	Funding Source	Funding Source	Total Funding: FY14-FY19	
													(A)	(B)	(C)	(D)	(A) + (B) + (C) + (D)	
11	Fund 512	Vehicles and Heavy Machinery	\$ -	\$ 154,000	\$ -	\$ 154,000	\$ 159,135	\$ 163,909	\$ 168,826	\$ 173,891	\$ 179,108	\$ 998,869	Utility Funds Operating Revenues					\$ 998,869
12	N/A	Install/Replace Sanitary Sewer Lines	\$ -	\$ -	\$ 530,000	\$ 530,000	\$ 560,900	\$ 592,727	\$ 1,125,509	\$ 1,159,274	\$ 1,194,052	\$ 5,162,463	Utility Bond and Loan Proceeds	To Be Determined				\$ 5,162,463
13	N/A	New Warehouse, Laboratory, and Office Complex at WWTP#2	\$ -	\$ -	\$ 2,621,298	\$ 2,621,298	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 3,621,298	Utility Bond and Loan Proceeds					\$ 3,621,298
14	N/A	Broadmoor / Chessmen Sewer Line Repair	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 414,359	\$ -	\$ -	\$ -	\$ 414,359	Utility Bond and Loan Proceeds					\$ 414,359
15	N/A	Security Wall @ WWTP#2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 222,396	\$ -	\$ -	\$ -	\$ 222,396	Utility Funds Operating Revenues					\$ 222,396
16	N/A	Industrial Park Loop Sewer Line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 359,553	\$ -	\$ -	\$ 359,553	Utility Bond and Loan Proceeds					\$ 359,553
17	N/A	Sludge De-Watering Building @ WWTP#2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 376,929	\$ 4,734,465	\$ -	\$ -	\$ 5,111,394	Impact Fees-Wastewater	To Be Determined				\$ 5,111,394
18	N/A	Lift Station No. 16 (Gateway South), New Well, and Pumps with Flow Meter	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000	\$ -	\$ -	\$ -	\$ 180,000	Impact Fees-Wastewater					\$ 180,000
19	N/A	Barrancas Sewerline Phase II-Idalia to City Center	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 3,600,000	\$ 4,000,000	Impact Fees-Wastewater	To Be Determined				\$ 4,000,000

TOTALS \$ 19,435,557 \$ 920,163 \$ 27,318,054 \$ 28,238,217 \$ 14,367,257 \$ 2,635,320 \$ 6,763,353 \$ 3,543,165 \$ 7,083,160 \$ 62,630,472 \$ 62,630,472



	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
State Grants	\$ 163,501	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 168,501
Environmental Gross Receipts Tax	\$ 660,553	\$ -	\$ -	\$ -	\$ 50,000	\$ 45,455	\$ 756,008
Impact Fees-Wastewater	\$ 1,588,964	\$ 91,000	\$ 90,000	\$ 160,678	\$ 27,183	\$ 165,415	\$ 2,123,240
Utility Fund Operating Revenues	\$ 2,483,030	\$ 382,235	\$ 586,305	\$ 468,826	\$ 433,891	\$ 493,910	\$ 4,848,197
To Be Determined	\$ 241,150	\$ 300,764	\$ 721,620	\$ 5,160,894	\$ 2,400,286	\$ 5,732,027	\$ 14,556,741
Utility Loan Proceeds	\$ 15,757,857	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,757,857
Utility Bond Proceeds	\$ 7,343,162	\$ 13,588,258	\$ 1,237,395	\$ 972,955	\$ 631,805	\$ 646,353	\$ 24,419,928
TOTAL	\$ 28,238,217	\$ 14,367,257	\$ 2,635,320	\$ 6,763,353	\$ 3,543,165	\$ 7,083,160	\$ 62,630,472

WASTEWATER PROJECTS UNDER CONSIDERATION			
Rank	Project Name	Fiscal Year(s)	Project Estimate
20	WWTP#2 Expansion and Retrofit	2018-2019	\$ 38,677,361
21	Southern and Unser Sanitary Sewer (SAS) Diversion	2015	\$ 1,471,288
22	Northern Blvd. Phase B-Unser to 30th St. Sanitary Sewerline	2015	\$ 370,887
23	NM528 Force Main Expansion and Lift Station No. 15	2015-2016	\$ 768,178
24	Loma Colorado Terminal Effluent Reuse Storage Tank	2015	\$ 6,000,000
25	Retrofit WWP#3 into 1.5 MGD MBR Facility	2019	\$ 1,324,000
26	NM528 Force Main and Lift Station No. 22 Expansion	2015-2016	\$ 2,440,957
27	Paseo Gateway Wastewater Line	2018-2019	\$ 4,145,744
	TOTAL		\$ 55,198,415

1. PROJECT INFORMATION

Project Title	WWTP #6 Equipment Expansion, Effluent Tank/Pump Station and Reuse Line to WWTP #2 - Phase 1	Requesting Department	Dept. of Public Works/Utilities Administration	Department Rank Priority No.	1
Project Category	Utilities-Wastewater	CIP Year	FY2006	Project No.:	WW0928; WW0673; WW1389
Estimated Useful Life	Greater than 25 Years	District Location	Multiple Districts	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project consists of 1. Expansion of Wastewater Treatment Plant (WWTP) #6 from 0.6 Million Gallon per Day (MGD) to 1.2 MGD; 2. A new 4,000 gallon per minute (gpm) booster station and new 3.0 MG effluent storage tank; and 3. Approximately 29,000 feet of 12" and 18" transmission mains extending generally north and east from WWTP#6 to WWTP#2.

3. PROJECT JUSTIFICATION

The WWTP#6 expansion will increase treatment capacity while the pump station and transmission lines will deliver reuse water from WWTP#6 (located in the Cabezon subdivision) to the WWTP#2 site. Reuse water treated at WWTP#6 will provide irrigation water for various City parks, the Rio Rancho Sports Complex, the Cabezon subdivision, and the Chamisa Hills Country Club, therefore reducing the City's potable water demand. At a future time, WWTP#6 will also be the prime source of water for the City's direct injection program which will replenish ground water supplies.

4. PROJECT HISTORY AND STATUS

The WWTP#6 expansion project received categorical exclusion for environmental clearance in July 2009, while the effluent line environmental assessment was completed in November 2009. The City closed on a Clean Water State Revolving Fund Loan in June 2009 with the NMED in the amount of \$25M to fully fund the project and design commenced in February 2010. Construction of the 27th Street reuse line from WWTP#6 to the intersection of 27th Street and Southern Blvd. was completed in September 2010 (\$407,238) and construction of the Phase I-Reuse line in the Montoyas Arroyo (\$689,190) was completed in December 2011 (\$693,227). Construction of Phase II-Reuse line through the Chamisa Greens Golf Course was completed in June 2012 (\$1,833,588) and construction of the WWTP#6 plant expansion will be completed in July 2013 (\$5,590,122). Design of the Reuse Booster Pump Station and Storage Reservoir are currently under review by the New Mexico Department of Environment and construction of the 9,200' reuse line from the Montoyas Arroyo to the Loma Colorado direct injection site just south of Eagle Ridge Middle School (WA0770) commenced in March 2013 and is anticipated for completion in Summer 2013 (\$1,541,935).

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review		\$ 57,359							\$ 57,359
Land Acq./ROW Actual		\$ 210,384	\$ -						\$ 210,384
Design and Specifications	Actual	\$ 2,008,885	\$ 66,143						\$ 2,075,028
Construction	Cost Consultant	\$ 7,432,916	\$ 16,442,539						\$ 23,875,455
Construction Management	Actual	\$ 22,558	\$ -						\$ 22,558
Equipment/ Vehicle									\$ -
Other	Cost Consultant								\$ -
TOTAL		\$ 9,732,102	\$ 16,508,682	\$ -	\$ 26,240,783				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Impact Fees-Wastewater	555 Wastewater Impact Fees Fund	\$ 439,686	\$ 16,369						\$ 456,055
Utility Funds Operating	552 Effluent Fund	\$ 50,272	\$ 734,456						\$ 784,728
Utility Loan Proceeds To Be Determined	576-NMED Loan WWTP6	\$ 9,242,143	\$ 15,757,857						\$ 25,000,000
									\$ -
									\$ -
TOTAL		\$ 9,732,102	\$ 16,508,682	\$ -	\$ 26,240,783				

1. PROJECT INFORMATION

Project Title	Significant Rebuild and Repair for WWTP #2A, 2B and 3	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	2
Project Category	Utilities-Wastewater	CIP Year	FY2012	Project No.:	WW1251
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project includes baffle repair, influent line repair, mixer repairs, diffuser repairs, air manifold system modification and ultra-violet system repairs/upgrades to WWTP#2A, 2B, and 3.

3. PROJECT JUSTIFICATION

Due to the age and capacity of WWTP #2, a significant amount of repair is needed to handle not only the existing flows but also the expected increase in flows to the treatment plant in the future. A similar and successful rebuild was previously completed on a portion of the WWTP #2 treatment process and it is expected that this project will have equal success relative to increasing capacity and reducing operation and maintenance issues.

4. PROJECT HISTORY AND STATUS

This is a revised project request. As such, the project retains its priority rank in the Wastewater ICIP at No. 2 and \$583,000 in planned expenditures have been added in Fiscal Year 2014. Rebuild work at WWTP#2A and 2 B commenced in Fiscal Year 2012 and is currently in progress.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications									\$ -
Construction	Recent City project	\$ 464,219	\$ 903,780						\$ 1,367,999
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 464,219	\$ 903,780	\$ -	\$ 1,367,999				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Utility Funds Operating	501 Utilities	\$ 464,219	\$ 903,780						\$ 1,367,999
									\$ -
									\$ -
									\$ -
									\$ -
TOTAL		\$ 464,219	\$ 903,780	\$ -	\$ 1,367,999				

1. PROJECT INFORMATION

Project Title	Retrofit WWTP #1 into 1.5 MGD MBR Facility	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	3
Project Category	Utilities-Wastewater	CIP Year	FY2014	Project No.:	N/A
Estimated Useful Life	Greater than 25 Years	District Location	Council District 5	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project involves rebuilding WWTP #1 located on Sara Rd. in Council District 5 to a Membrane Bioreactor (MBR) plant. The existing process basins will be converted into aeration tanks and MBR tanks, headworks facility, and blower building will be added.

3. PROJECT JUSTIFICATION

Upgrading the WWTP #1 to an MBR facility will increase the effluent water quality, increase treatment capacity, improve operation stability and decrease odor emitted from the plant.

4. PROJECT HISTORY AND STATUS

This project is a revised project request originally planned for design in Fiscal Year 2013 and construction in Fiscal Year 2014. As revised, the project has risen in priority rank within the Wastewater facility category from No. 11 to No. 3. Funding will be in the form of a Bond or State Revolving Fund Loan.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Cost Consultant		\$ 1,324,000						\$ 1,324,000
Construction	Cost Consultant			\$ 10,234,122					\$ 10,234,122
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ 1,324,000	\$ 10,234,122	\$ -	\$ -	\$ -	\$ -	\$ 11,558,122

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Utility Bond Proceeds			\$ 1,324,000	\$ 10,234,122					\$ 11,558,122
									\$ -
									\$ -
									\$ -
									\$ -
TOTAL		\$ -	\$ 1,324,000	\$ 10,234,122	\$ -	\$ -	\$ -	\$ -	\$ 11,558,122

1. PROJECT INFORMATION

Project Title	Splitter Box at Lift Station 10	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	4
Project Category	Utilities-Wastewater	CIP Year	FY2011	Project No.:	WW1147
Estimated Useful Life	Greater than 25 Years	District Location	Council District 5	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

A splitter box will be installed at Lift Station 10 to allow wastewater to be diverted from Southern Boulevard to both WWTP #1 and WWTP #2.

3. PROJECT JUSTIFICATION

The project will divert wastewater at a new Lift Station #10 located at or near the intersection of NM HWY 528 and Southern Boulevard. This diversion will reduce the flow to Wastewater Treatment Plant (WWTP) #2, thus providing hydraulic and solids loading relief at WWTP #2. The additional capacity will allow WWTP #2 to be more readily able to handle the increased flow that will be seen by the City Center development until WWTP #2 can be expanded. The diverted flow will then be routed for treatment to WWTP #1.

4. PROJECT HISTORY AND STATUS

The project is a revised project request originally planned for design in Fiscal Year 2010 and construction in Fiscal Year 2011, however full funding remains unavailable. As revised, the project has fallen in priority rank within the Wastewater facility category from No. 3 to No. 4, and is planned for design in Fiscal Year 2014 and construction in Fiscal Years 2014 and 2015. Funding will be from a Bond or State Revolving Fund Loan.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Cost Consultant	\$ -	\$ 250,000						\$ 250,000
Construction	Cost Consultant	\$ -	\$ 259,836	\$ 2,548,100					\$ 2,807,936
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ 509,836	\$ 2,548,100	\$ -	\$ -	\$ -	\$ -	\$ 3,057,936

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Impact Fees-Wastewater	555 Wastewater Impact Fees Fund	\$ -	\$ 450,589						\$ 450,589
Utility Funds Operating	550 CIF Wastewater Fund	\$ -	\$ 59,247						\$ 59,247
Utility Bond Proceeds			\$ -	\$ 2,548,100					\$ 2,548,100
									\$ -
									\$ -
TOTAL		\$ -	\$ 509,836	\$ 2,548,100	\$ -	\$ -	\$ -	\$ -	\$ 3,057,936

1. PROJECT INFORMATION

Project Title	Montoya's Arroyo Sewer Upgrade- Phase 3	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	5
Project Category	Utilities-Wastewater	CIP Year	FY2011	Project No.:	WW1183
Estimated Useful Life	Greater than 25 Years	District Location	Multiple Districts	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project consists of approximately 8,800 linear feet of new 30" and 36" sanitary sewer (SAS) pipe to be installed in the sandy bottom of Montoya's Arroyo from Northern Blvd. to the Sports Complex Dam. The existing 15" SAS pipe will be capped and abandoned in place. The City's portion consists of the segment extending from the Sportscomplex Dam to Abrazo Rd.

3. PROJECT JUSTIFICATION

The existing 15" pipe has an insufficient capacity for the current hydraulic flow conditions, therefore it is necessary to replace the existing pipe with larger 30" and 36" diameter SAS pipe. Substantial wet weather events in the arroyo are problematic due to the location of the existing line as well as the capacity of the existing line to adequately convey storm sewer flows.

4. PROJECT HISTORY AND STATUS

This is a revised project request. As such, the project has fallen in priority rank within the Wastewater facility category from No. 4 to No. 5. Design was completed in December 2012 and construction is anticipated to commence in August 2013 to be completed by February 2014.. A related project involves expansion of the Montoyas Arroyo sewer interceptor from Abrazo Rd. west to Northern Blvd. to serve development northwest of Northern Blvd. and Broadmoor Blvd.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review	Actual	\$ 53,813							\$ 53,813
Land Acq./ROW									\$ -
Design and Specifications	Actual	\$ 184,987							\$ 184,987
Construction	Cost Consultant		\$ 1,753,498						\$ 1,753,498
Construction Management	Cost Consultant		\$ 100,371						\$ 100,371
Equipment/ Vehicle									\$ -
Other	Actual	\$ 25,830							\$ 25,830
TOTAL		\$ 264,629	\$ 1,853,869	\$ -	\$ 2,118,498				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Environmental GRT Revenues	260-EGRT Fund	\$ 264,629	\$ 660,553						\$ 925,182
Impact Fees-Wastewater	555 Wastewater Impact Fees Fund	\$ -	\$ 787,891						\$ 787,891
Utility Funds Operating	550 CIF Wastewater Fund	\$ -	\$ 405,425						\$ 405,425
									\$ -
TOTAL		\$ 264,629	\$ 1,853,869	\$ -	\$ 2,118,498				

1. PROJECT INFORMATION

Project Title	SCADA Improvements	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	6
Project Category	Utilities-Wastewater	CIP Year	Recurring Capital Need	Project No.:	WW1349
Estimated Useful Life	Greater than 25 Years	District Location	Multiple Districts	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

Supervisory Control And Data Acquisition (SCADA) improvements will be constructed to improve automation of lift stations and wastewater treatment plants.

3. PROJECT JUSTIFICATION

The improvements made to the SCADA system are an important step in controlling wastewater operations. Wastewater personnel are more readily able to observe, control, and respond to changes or emergencies in the Wastewater Collection and Treatment Systems. SCADA has become integral to the city's compliance with New Mexico Environmental Department Regulations and United States Environmental Protection Agency Regulations.

4. PROJECT HISTORY AND STATUS

This project is a revised project request.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications									\$ -
Construction	Cost Consultant	\$ 4,352	\$ 126,122	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 630,474
Construction Management									\$ -
Equipment/Vehicle									\$ -
Other									\$ -
TOTAL		\$ 4,352	\$ 126,122	\$ 100,000	\$ 630,474				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Utility Funds Operating Revenues	501 Utilities	\$ -	\$ 111,474						\$ 111,474
Utility Funds Operating	550 CIF Wastewater Fund	\$ 4,352	\$ 14,648	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 519,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ 4,352	\$ 126,122	\$ 100,000	\$ 630,474				

1. PROJECT INFORMATION

Project Title	Septic Dump Station	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	7
Project Category	Utilities-Wastewater	CIP Year	FY2014	Project No.:	WW0887
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

A septic dump station will be designed and constructed at Wastewater Treatment Plant (WWTP) #2.

3. PROJECT JUSTIFICATION

The septic dump station will serve as a dumping point for septic haulers. This will allow biological pretreatment of the septic system waste before it is introduced to the WWTP processes, serving as a buffer to the WWTP.

4. PROJECT HISTORY AND STATUS

This project is a revised project request originally planned for design in Fiscal Year 2011 and construction in Fiscal Year 2012, however full funding remains unavailable. The project is currently in design and construction is planned in Fiscal Year 2014, contingent upon funding of construction.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Cost Consultant	\$ 84,700	\$ 41,436						\$ 126,136
Construction	Cost Consultant		\$ 3,023,128						\$ 3,023,128
Construction Management	Cost Consultant	\$ -	\$ 74,057						\$ 74,057
Equipment/ Vehicle									\$ -
Other			\$ -						\$ -
TOTAL		\$ 84,700	\$ 3,138,621	\$ -	\$ 3,223,321				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Impact Fees-Wastewater	555 Wastewater Impact Fees Fund	\$ 84,700	\$ 145,300						\$ 230,000
Utility Bond Proceeds			\$ 2,993,321						\$ 2,993,321
									\$ -
									\$ -
TOTAL		\$ 84,700	\$ 3,138,621	\$ -	\$ 3,223,321				

1. PROJECT INFORMATION

Project Title	Aquifer Storage/Direct Injection	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	8
Project Category	Utilities-Wastewater	CIP Year	FY2014	Project No.:	WA0770
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project involves the construction of a subsurface injection system which will recharge aquifers that supply water to the City. This system includes the direct injection site, injection well, monitoring system, surface infrastructure for the direct injection system, two miles of pipeline from the Sports Complex to Loma Colorado and a partially buried reuse storage tank.

3. PROJECT JUSTIFICATION

The population growth in the City has increased the demand for potable and nonpotable water. The City has acquired and continues to purchase water rights to help meet this demand, though it is slow and expensive. In order to protect this valuable resource, a water reuse program will be implemented to augment the water supply. Water will be put in aquifers by means of direct injection.

4. PROJECT HISTORY AND STATUS

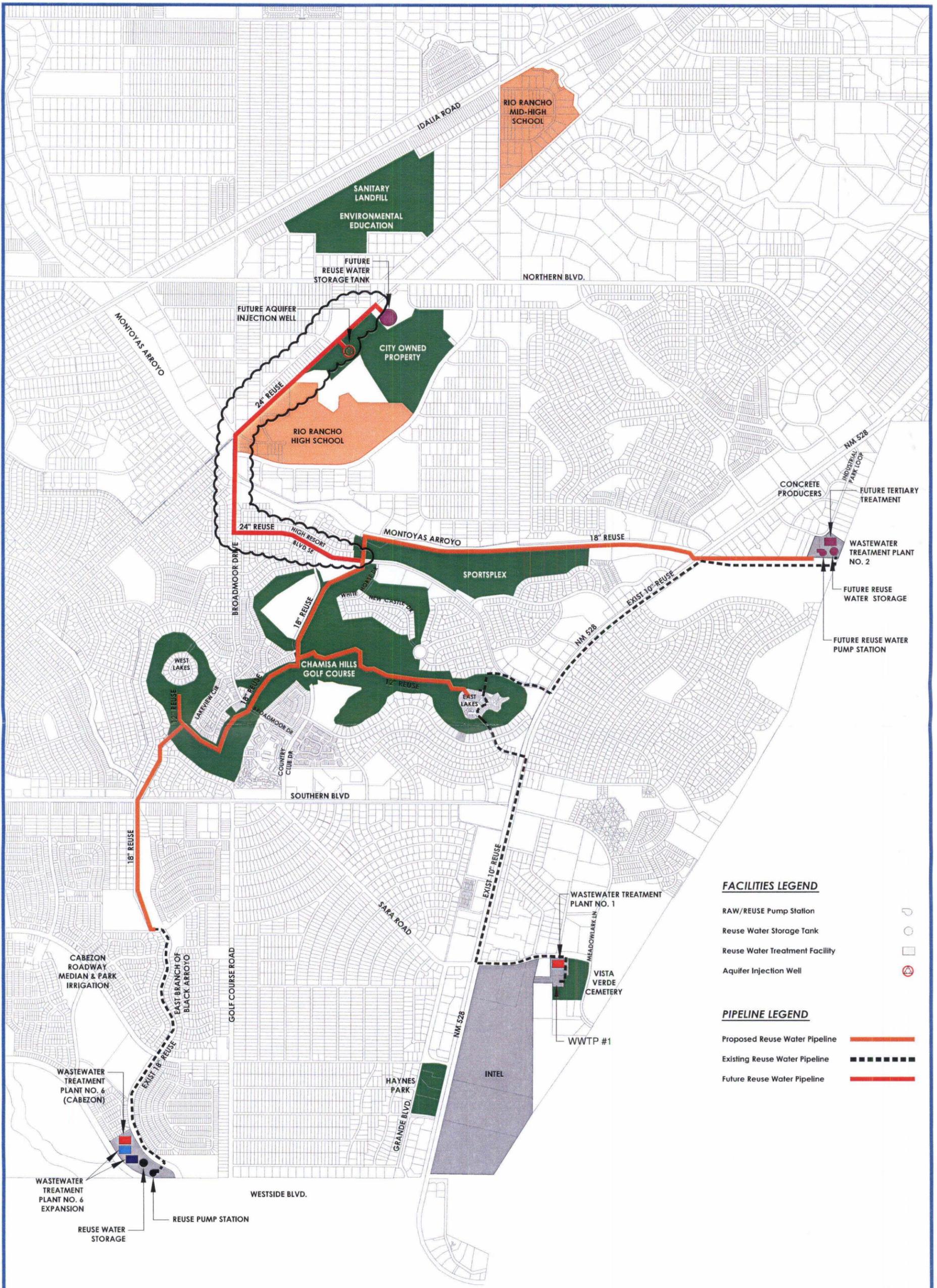
Construction of the Mariposa recharge system was completed in December 2008. The direct injection site, injection well, and monitoring system are also in place, all completed in 2010 and 2011. Additional potable water testing at the Loma Colorado injection well site was completed in November 2012 and permitting and design of the full scale treatment site will continue into Fiscal Year 2014. Construction of a 6,000 sq. ft. building that will house future treatment equipment, steel storage tanks, and yard piping at the Loma Colorado site, and the last segment of a reuse pipeline from the area of the Sports Complex to the Loma Colorado site were substantially completed in late Spring 2013. The remaining phases of the advanced water treatment facility is estimated to cost an additional \$3.3 million.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Land Acq./ROW									\$ -
Design and Specifications	Cost Consultant	\$ 2,178,892	\$ 160,050	\$ 75,000	\$ 75,000	\$ 75,000			\$ 2,563,942
Construction	Cost Consultant	\$ 5,953,841	\$ 307,960				\$ 1,500,000	\$ 1,500,000	\$ 9,261,801
Construction Management	Cost Consultant								\$ -
Equipment/Vehicle	Actual	\$ 693,146							\$ 693,146
Other	Cost Consultant	\$ 30,230							\$ 30,230
TOTAL		\$ 8,856,110	\$ 468,010	\$ 75,000	\$ 75,000	\$ 75,000	\$ 1,500,000	\$ 1,500,000	\$ 12,549,119

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
State Grants	552 Effluent Fund	\$ 5,167,955	\$ 163,501	\$ 5,000					\$ 5,336,455
County Grants	552 Effluent Fund	\$ 1,500,000	\$ -						\$ 1,500,000
Utility Funds Operating Revenues	552 Effluent Fund	\$ 70,200	\$ -	\$ 23,100					\$ 93,300
Impact Fees-Wastewater	555 Wastewater Impact Fees Fund	\$ -	\$ 188,816	\$ 1,000					\$ 189,816
Utility Bond Proceeds	574-2009 UT Refunding Fund	\$ 1,657,955	\$ 115,693	\$ 346					\$ 1,773,994
Utility Loan Proceeds	552 Effluent Fund	\$ 460,000	\$ -						\$ 460,000
To Be Determined				\$ 45,554	\$ 75,000	\$ 75,000	\$ 1,500,000	\$ 1,500,000	\$ 3,195,554
TOTAL		\$ 8,856,110	\$ 468,010	\$ 75,000	\$ 75,000	\$ 75,000	\$ 1,500,000	\$ 1,500,000	\$ 12,549,119



FACILITIES LEGEND

- RAW/REUSE Pump Station
- Reuse Water Storage Tank
- Reuse Water Treatment Facility
- Aquifer Injection Well

PIPELINE LEGEND

- Proposed Reuse Water Pipeline
- Existing Reuse Water Pipeline
- Future Reuse Water Pipeline



REUSE WATER DISTRIBUTION SYSTEM AND PHASING

DATE: 9-30-2010

PREPARED BY:
WILSON & COMPANY
 2600 The American Rd. SE, Ste. 100
 Rio Rancho, New Mexico 87124
 505-898-8021



1. PROJECT INFORMATION

Project Title	Lift Station 4 Odor Control	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	9
Project Category	Utilities-Wastewater	CIP Year	FY2010	Project No.:	WW1039
Estimated Useful Life	Greater than 25 Years	District Location	Council District 1	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project involves study of odor issues related with the lift station and recommendations for resolving odor complaints received by the City. Biological odor control systems and other alternatives will be evaluated and construction of improvements will be undertaken to correct the problem.

3. PROJECT JUSTIFICATION

Project is necessary to address complaints registered with the City concerning the foul odor emitting from the lift station.

4. PROJECT HISTORY AND STATUS

Lift Station No. 4 is located at Inca Road and Hondo Road in western Rio Rancho. Several complaints have been registered with the City concerning the foul odor emitting from the station. The project is a revised project request. As revised, the project has fallen in priority rank within the Wastewater facility category from No. 7 to No. 8. Sewer capacity analysis was completed in December 2010 and an optimization study was completed in Spring 2012. Final design and commencement of construction is planned for Fiscal Year 2013 contingent upon identification of additional funding.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review	Actual	\$ 29,445							\$ 29,445
Land Acq./ROW									\$ -
Design and Specifications	Cost Consultant						\$ 50,000		\$ 50,000
Construction	Cost Consultant							\$ 350,000	\$ 350,000
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 29,445	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 350,000	\$ 429,445

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Environmental GRT Revenues	260-EGRT Fund	\$ 29,445					\$ 50,000	\$ 45,456	\$ 124,901
Utility Funds Operating	550 CIF Wastewater Fund							\$ 54,802	\$ 54,802
To Be Determined								\$ 249,742	\$ 249,742
									\$ -
									\$ -
TOTAL		\$ 29,445	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 350,000	\$ 429,445

1. PROJECT INFORMATION

Project Title	Replace Membrane Filters at WWTPs	Requesting Department	Dept. of Public Works/Utilities	Department Rank Priority	10
Project Category	Utilities-Wastewater	CIP Year	Recurring Capital Need	Project No.:	NA
Estimated Useful Life	10 Years	District Location	Multiple Districts	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

Replace Wastewater Membrane Filters at the Cabezon Water Reclamation Facility and Mariposa Water Reclamation Facility.

3. PROJECT JUSTIFICATION

The project is necessary to ensure continued compliance with the City of Rio Ranchos National Pollution Discharge Elimination System (NPDES) permit issued by the Environmental Protection Agency (EPA). The Zenon Membrane Filters which produce a very high quality of effluent degrade over time and needs to be replaced prior to any potential violations or major failures.

4. PROJECT HISTORY AND STATUS

The Cabezon and Mariposa Water Reclamation Facilities were completed in March 2006 and Membrane lifetime are estimated to be 10 years. This is a revised project. As such, it has risen in priority rank within the Wastewater facility category over time.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications									\$ -
Construction									\$ -
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other	Other		\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 160,000	\$ 160,000	\$ 820,000
TOTAL		\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 160,000	\$ 160,000	\$ 820,000

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Utility Funds Operating Revenues	550 CIF Wastewater Fund		\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 160,000	\$ 160,000	\$ 820,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 160,000	\$ 160,000	\$ 820,000

Wastewater Treatment Projects

Aquifer Storage Demonstration (WA0770)

Feasibility analysis, planning, and engineering activities began in January 2007 in support of advanced water treatment systems for aquifer recharge with high quality reclaimed water sources. In December 2008, city contractor's completed work on a 3 vadose zone well clusters and 3 monitoring wells around the reclaimed water infiltration gallery located at the Mariposa Wastewater Reclamation Facility (WRF).



Between October 2009 and March 2010, the City conducted pilot scale testing of advanced water treatment systems post treatment at WWTP#6 at Cabezon, and in December 2009 the City issued a notice to proceed with construction of a ground water monitoring system around a planned injection well located approximately ½ mile southeast of the intersection of Broadmoor Dr. and Northern Blvd. Installation and equipping of 5 monitoring wells drilled within 200' of the planned injection well site was completed in Spring 2010. Construction of the injection well was accomplished under a separate contract and was completed in June 2011. Additional potable water testing at the Loma Colorado injection well site was completed in November 2012 and permitting and design of the full scale treatment site will continue into

Fiscal Year 2014. Construction of a 6,000 sq. ft. building that will house future treatment equipment, steel storage tanks, and yard piping at the Loma Colorado site, and the last segment of a reuse pipeline from the area of the Sports Complex to the Loma Colorado site were substantially completed in late Spring 2013.

Project expenditures to date total \$8.85 million while outstanding contracts for work in progress total an additional \$468,010. Sources of financing secured to date include: grant funding from Sandoval County (\$1.5 million); a special one-time State Capital Outlay Appropriation (\$3 million); a combination loan/grant from the Water Trust Board (\$350,000); a combination loan/grant from the Water Trust Board (\$1.95 million); a grant from the Water Innovation Fund (\$496,458); Utility Operating Fund transfers (\$93,300), Utility Bond Proceeds (\$1.77 million), and Wastewater Impact Fees (\$189,816). The remaining phases of the advanced water treatment facility is estimated to cost an additional \$3.3 million.

Wastewater Treatment Plant (WWTP) #6 Expansion and Reuse Line to WWTP#2 (WW0673, WW0928, and WW1389)

In September 2009, the City entered into a loan agreement with the New Mexico Environment Department (NMED) in the principal amount of \$25 million for the expansion of and construction of reuse facilities at WWTP#6. The project consists of a new 4,000 gallon per minute (gpm) booster station, a new 3 Million Gallon Per Day (MGD) effluent storage tank, and approximately 29,000 linear feet of 12” and 18” transmission line extending generally north and east from WWTP#6 to WWTP#2. The expansion will increase treatment capacity at WWTP#6 while the pump station and transmission line will deliver reuse water from WWTP#6 to the WWTP#2 site, providing irrigation water for various City parks, the Rio Rancho Sports Complex, the Cabezon subdivision, and the Camisa Hills Country Club. Treated effluent water will also be used for direct injection activities related to the aquifer recharge project described above. Environmental reviews for the plant expansion and the reuse line have been completed and design of the overall project is in progress at 95 percent completion. Construction of various segments of the reuse pipeline from WWTP#6 to WWTP#2 have been completed including:

- WWTP#6 to the intersection of 27th Street and Southern Blvd.: September 2010
- Phase I reuse line with the Montoyas Arroyo from Sports Complex Dam to WWTP#2: December 2011
- Chamisa Greens reuse line with the Chamisa Hills Golf Course area: June 2012

Construction of an expanded WWTP#6 facility and installation of the membrane filtration system was substantially completed in June 2013 and bid letting for the reuse tank and booster station will occur in August 2013. In addition to the \$25 million NMED loan, the project is funded through Wastewater Impact Fees (\$398,699), and Utility Operating Fund revenue (\$784,729).

Septic Dump Station at WWTP #2 (WW0887)

Design of a septic dump station for use by septic haulers is in progress. Funding for design is from Wastewater Impact Fees while construction funding will likely come from a 2014 utility bond issue. The septic dump station will allow biological pretreatment of septic waste before it is introduced to the wastewater treatment plant process.

WWTP#2A, 2B and 3 Rebuild (WW1251)

Significant rebuild activities, including baffle repair, influent line repair, mixer repairs, diffuser repairs, air manifold system modification and ultra-violet system repairs/upgrades are in progress. Due to the age and capacity of WWTP #2, a significant amount of capital repair and replacement is necessary to handle existing flows as well as the expected increase in flows to the treatment plant in the future. The project budget consists of Utility Operating funds in the amount of \$785,000 and an additional \$583,000 appropriation has been included in the Fiscal Year 2014 Budget.

Sewer Lines

Los Montoyas Arroyo Sewer line Phase 3 (WW1183)

The project involves installation of new 30" and 36" sanitary sewer (SAS) pipe to be installed in the sandy bottom of Montoya's Arroyo from the Sports Complex Dam to approximately 450 feet east of Broadmoor Boulevard. Substantial wet weather events in the arroyo are problematic due to the location of the existing line as well as the capacity of the existing line to adequately convey storm sewer flows. The existing 15" SAS pipe will be capped and abandoned in place. The new sewer line will also serve anticipated development in the Lomas Negra Specific Area. Design was complete in April 2013 at a cost of \$264,629 and approval of the City's 404 permit has been included in the final construction plans. Construction is anticipated to commence in August 2013 to be completed by February 2014. Project funding sources include Environmental Gross Receipts Tax revenue and Wastewater Impact Fees.

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